



Product Information

DOX-loaded long-circulating liposomes

Cat. No.: X26-05-ZQ2529

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: DOX-loaded long-circulating LPs; Doxorubicin long-circulating liposomes; DOX stealth liposomes

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	This classic reference formulation features doxorubicin long-circulating liposomes engineered with high steric stability. The vesicular anatomy consists of a high-purity phospholipid-cholesterol bilayer shell encapsulating the water-soluble anthracycline doxorubicin (DOX) entirely within its central aqueous core <i>via</i> an active gradient matrix, whose outer surface is modified with dense polyethylene glycol polymer anchors. This precise surface modification introduces a dense hydrophilic steric brush layer that completely prevents physical vesicle aggregation, isolating the active core and restricting passive doxorubicin diffusion across the membrane under ambient laboratory testing conditions.
Source	Custom synthesis
Functional Group	Doxorubicin
Form	Solid or powder
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Storage	Store at -20°C.